

FROM : diaDexus, Inc.

FAX NO. : 6502466597

Apr. 23 2004 11:58AM P2

Programs available for the BLAST search

The NCBI BLAST family of programs includes:

blastp

compares an amino acid query sequence against a protein sequence database

blastn

compares a nucleotide query sequence against a nucleotide sequence database

blastx

compares a nucleotide query sequence translated in all reading frames against a protein sequence database

tblastn

compares a protein query sequence against a nucleotide sequence database dynamically translated in all reading frames

tblastx

compares the six-frame translations of a nucleotide query sequence against the six-frame translations of a nucleotide sequence database. Please note that tblastx program cannot be used with the nr database on the BLAST Web page.

4/23/2004

04/23/04 17:10 FAX 856 810 1454

LICATA & TYRRELL

015

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Apr. 23 2004 11:58AM P3

NCBI

BLAST 2 sequences

BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix gap open: gap extension:
x_dropoff: expect: wordsize: Filter ☐ Align ☐

Sequence 1 lc|DEX0150_1 Length 1710

Sequence 2 lc|US5733748 Fig1 Length 167

No significant similarity was found

4/23/2004

PAGE 15/23 * RCVD AT 4/23/2004 5:09:38 PM [Eastern Daylight Time] * SVR:USPTO-EFXXRF-1/0 * DNIS:8729307 * CSID:856 810 1454 * DURATION (mm-ss):05-12

FROM : diaDexus, Inc.

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Apr. 23 2004 11:59AM P4

NCBI

BLAST 2 sequences

BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 gap open: 11 gap extension: 1
x_dropoff: 50 expect: 10.000 wordsize: 3 Filter ☐ Align

Sequence 1 lcl|DEX0150_1 Length 1710Sequence 2 lcl|US5733748 Fig2 Length 235

No significant similarity was found

4/23/2004

FROM : diaDexus, Inc.

FAX NO. : 6502466597

Apr. 23 2004 11:59AM P5

NCBI

BLAST 2 sequences

BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix [BLOSUM62] gap open: [11] gap extension: [1]
x_dropoff: [50] expect: [10.000] wordsize: [3] Filter [] Align []

Sequence 1 [cl]DEX0150_1 Length 1710

Sequence 2 [cl]US5733748 Fig4 Length 135

No significant similarity was found

4/23/2004

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Apr. 23 2004 11:59AM P6

NCBI

BLAST 2 sequences

BLAST

Entrez

?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix **BLOSUM62** gap open: **11** gap extension: **1**x_dropoff: **50** expect: **10.000** wordsize: **3** Filter ☐ **Align**Sequence 1 **lcl|DEX0150_1** Length **1710**Sequence 2 **lcl|US5733748 Fig5** Length **228**

No significant similarity was found

4/23/2004

04/23/04 17:10 FAX 856 810 1454

LICATA & TYRRELL

019

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NCBI

BLAST 2 sequences

BLAST

Entrez

7

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 gap open: 11 gap extension: 1
x_dropoff: 50 expect: 10.000 wordsize: 3 Filter ☐ Align

Sequence 1 lc|DEX0150_1 Length 1710

Sequence 2 lc|US5733748 Fig6 Length 163

No significant similarity was found

4/23/2004

FROM : diaDexus, Inc.

FAX NO. : 6502466597

Apr. 23 2004 11:59AM PS

NCBI **BLAST 2 sequences** **BLAST** **Entrez** **?****BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]**Matrix **BLOSUM62** gap open: **11** gap extension: **1**
x_dropoff: **50** expect: **10.000** wordsize: **3** Filter ☐ **Align**

Sequence 1 lc|DEX0150_1 Length 1710

Sequence 2 lc|US5733748 Fig8 Length 81

No significant similarity was found

4/23/2004

04/23/04 17:10 FAX 856 810 1454

LICATA & TYRRELL

021

FROM : dtdexus, Inc.

FAX NO. : 6502466597

Apr. 23 2004 11:59AM P9

NCBI

BLAST 2 sequences

BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix **BLOSUM62** gap open: **11** gap extension: **1**
x_dropoff: **50** expect: **10.000** wordsize: **3** Filter ☐ Align

Sequence 1 lcl|DEX0150_1 Length 1710

Sequence 2 lcl|US5733748 Fig9 Length 323

No significant similarity was found

4/23/2004

FROM : diaDexus, Inc.

FAX NO. : 6502465597

Apr. 23 2004 12:00PM P10

NCBI

BLAST 2 sequences

BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 gap open: 11 gap extension: 1
x_dropoff: 50 expect: 10.000 wordsize: 3 Filter ☐ Align ☐

Sequence 1 lc|DEX0150_1 Length 1710

Sequence 2 lc|US5733748 Fig10 Length 201

No significant similarity was found

4/23/2004

FROM : diaDexus, Inc.

FAX NO. : 6502466597

Apr. 23 2004 12:00PM P11

NCBI

BLAST 2 sequences

BLAST

Entrez

7

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix: BLOSUM62 gap open: 11 gap extension: 1
x_dropoff: 50 expect: 10.000 wordsize: 3 Filter ☐ Align ☐

Sequence 1 lc|DEX0150_1 Length 1710

Sequence 2 lc|US5733748 Fig11 Length 156

No significant similarity was found

4/23/2004